

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: March 19, 1993

Date Received: March 12, 1993

Project: 7238, Tank Quality, PO# M28056

**RESULTS FROM THE ANALYSIS OF ACID SAMPLES  
FOR % ACID AS HNO<sub>3</sub>**

<b><u>Sample #</u></b>	<b><u>% Acid as HNO<sub>3</sub></u></b>
M28056A	4.6%
M28056B	2.7%
<b><u>Quality Assurance</u></b>	
Blank	<0.1%
M28056A (Duplicate)	4.3%

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Date of Report: March 19, 1993

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Project: 7238, Tank Quality, PO# M28056

**RESULTS FROM THE ANALYSIS OF THE CAUSTIC SAMPLE  
FOR % HYDROXIDE AS NaOH**

<u>Sample #</u>	<u>% Hydroxide as NaOH</u>
M28056C	0.96%
<u>Quality Assurance</u>	
Blank	<0.01%
M28056C (Duplicate)	0.88%



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3008-B 16th Avenue West  
Seattle, WA 98119  
FAX: (206) 283-5044

**DUPLICATE COPY**

**March 19, 1993**

**INVOICE # 93ACU0319-1**

**Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134**

**RE: Project 7238, Tank Quality, PO# M28056: Results of testing requested by  
Gerald Thompson, Project Leader and submitted on March 12, 1993.**

<b>2 acid samples analyzed for % Acid as HNO<sub>3</sub> @ \$25 per sample</b>	<b>\$ 50.00</b>
<b>1 caustic sample analyzed for % Hydroxide as NaOH @ \$25 per sample</b>	<b><u>25.00</u></b>
<b>Amount Due .....</b>	<b>\$ 75.00</b>

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**March 19, 1993**


Gerald Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on March 12, 1993 from Project 7238, Tank Quality, PO# M28056.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,



Mark Z Perin  
Chemist

MZP/sao

Enclosures